## PATENT COOPERATION TREATY

# **PCT**

#### **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of	f Transmittal of International Search Report
29143-41	ACTION (Form PCT/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/jear)	(Earliest) Priority Date (day/month/year)
PCT/US 03/41108	23/12/2003	09/05/2003
Applicant		
OLSON, Rudolph A. III		
according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	ority and is transmitted to the applicant
This International Search Report consists    X	of a total of sheets.  a copy of each prior art document cited in this	report.
1. Basis of the report		
	international search was carried out on the bas ess otherwise indicated under this item.	is of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	ne international application furnished to this
, , , , , , , , , , , , , , , , , , , ,	d/or amino acid sequence disclosed in the in	ternational application, the international search
was carried out on the basis of the contained in the internation	e sequence listing : nal application in written form.	
	rnational application in computer readable forn	n.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
	sequently furnished written sequence listing des s filed has been furnished.	pes not go beyond the disclosure in the
the statement that the info furnished	ormation recorded in computer readable form is	identical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the <b>title,</b>		
X the text is approved as su	bmitted by the applicant.	
	hed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	bmitted by the applicant.	
	hed, according to Rule 38.2(b), by this Authorited at the date of mailing of this international search rep	
The figure of the <b>drawings</b> to be publication	-	4
X as suggested by the appli	cant.	None of the figures.
because the applicant faile	ed to suggest a figure.	
because this figure better	characterizes the invention.	

#### INTERNATIONAL SEARCH REPORT

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International Application No PCT/US 03/41108

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D39/20 C04B35/10

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC \ 7 \quad B01D \quad C04B$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 451 842 A (F.W.A. KURZ ET AL.) 24 June 1969 (1969-06-24) column 2, line 1 - line 15 column 5, line 3 - line 17; claim 1	1,2
4	US 4 040 998 A (J.NEMETH) 9 August 1977 (1977-08-09) column 1, lines 1-21; claim 1; table 1	1,10,12
<b>A</b>	US 5 407 001 A (M.YASREBI ET AL.) 18 April 1995 (1995-04-18) column 8, line 19 - line 34; claim 1; example 1	1,2
A	US 4 887 795 A (J.NEMETH ET AL.) 19 December 1989 (1989-12-19) the whole document	1

Special categories of cited documents:  A' document defining the general state of the art which is not considered to be of particular relevance  E' earlier document but published on or after the international filing date  L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  O' document referring to an oral disclosure, use, exhibition or other means  P' document published prior to the international filing date but	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> </ul>	
Date of the actual completion of the international search	*&* document member of the same patent family  Date of mailing of the international search report	
30 March 2005	05/04/2005	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Bertram, H	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A	US 3 893 917 A (M.J.PRYOR ET AL.) 8 July 1975 (1975-07-08) cited in the application the whole document	1			
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